

SWP Water Quality Summary

January 16, 2001

Automated Station Data

Automated sampling stations provide real time data by continuously measuring water quality conditions in the Aqueduct.

| Water Quality Parameter 12/19/00 to 1/16/01 | | NBA at Barker Slough PP KG000000 | Harvey O. Banks Pumping Plant KA000331 | Check 13 at O'Neill Forebay Outlet KA007089 | Check 29 Near Highway 119 KA024454 | MWD Pipeline at Castaic Lake CA000000 | Devil Canyon Power Plant KA041288 |
|------------------------------------------------|---------|-------------------------------------|-------------------------------------------|------------------------------------------------|---------------------------------------|------------------------------------------|--------------------------------------|
| Turbidity (NTU) | average | 25 | 17 | 6 | 4 | 1.2 | 2.1 |
| | maximum | 37 | 86 | 10 | 5 | 1.5 | 3.4 |
| | minimum | 20 | 4 | 4 | 2.4 | 0.9 | 1.1 |
| Conductivity | average | 291 | 661 | 612 | 479 | 448 | 527 |
| (microSiemens/cm) | maximum | 410 | 754 | 704 | 551 | 452 | 541 |
| | minimum | 260 | 579 | 548 | 440 | 441 | 505 |
| Calculated TDS (mg/l) | average | 173 | 374 | 348 | 277 | 268 | 302 |
| | maximum | 240 | 427 | 400 | 319 | 266 | 310 |
| | minimum | 155 | 328 | 313 | 255 | 263 | 290 |

Grab Sample Data of Special Interest

Laboratory analyses of water quality constituents, including inorganic compounds, are conducted from monthly water quality samples collected throughout the SWP.

| Water Quality Parameter December 2000 ¹ | units | objectives | Barker Slough Pumping Plant | Harvey O. Banks Pumping Plant | Check 13 at O'Neill Forebay Outlet | Check 29 Near Highway 119 | Devil Canyon Power Plant |
|-------------------------------------------------------|---------------------------|----------------------------------------|-----------------------------|-------------------------------|------------------------------------|---------------------------|--------------------------|
| Bromide | mg/l | 0.05 ³ | 0.04 | 0.32 | 0.36 | 0.3 | 0.3 |
| Hardness | mg/l | 180/110 ⁵ | 100 | 107 | 114 | 110 | 101 |
| Total Alkalinity | mg/l as CaCO ₃ | none | 100 | 72 | 78 | 77 | 73 |
| Total Organic Carbon ² | mg/l | 3.0 ³ | 3.0 | 3.0 | 3.0 | 2.9 | 2.7 |
| Total Dissolved Solids | mg/l | 440/220 ⁵ /150 ⁴ | 169 | 309 | 326 | 301 | 275 |

¹ latest analyses available n/a = not available

² Total Organic Carbon analyzed by wet oxidation method

³ CALFED/CUWA

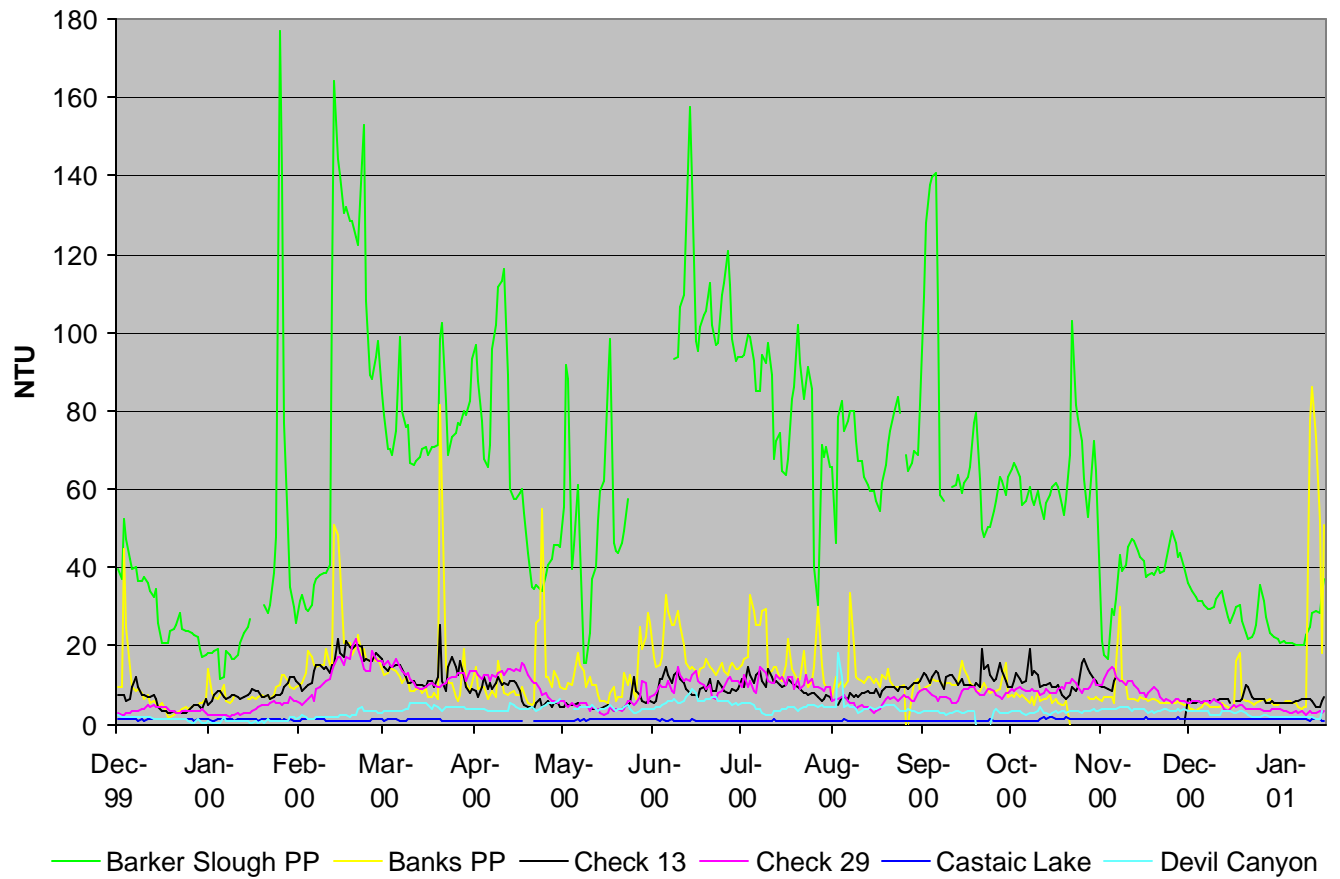
⁴ CUWA Proposed

⁵Article 19 (monthly/ten year averages)

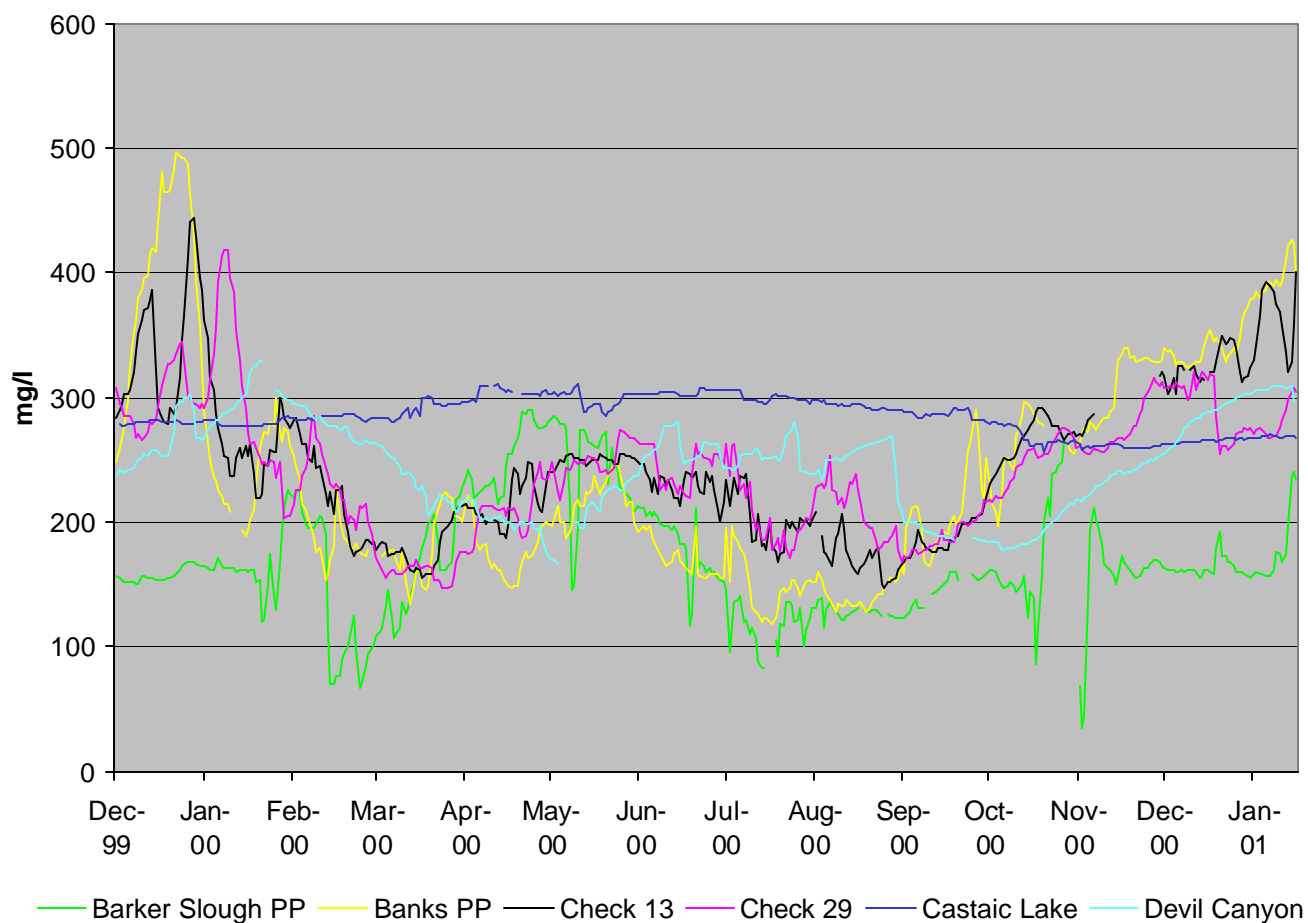
Water Quality Highlights

- Tytronic UV meters are operating at Banks Pumping Plant and O'Neill Outlet water quality stations. Data reported as daily average DOC (calculated) on water quality web site.

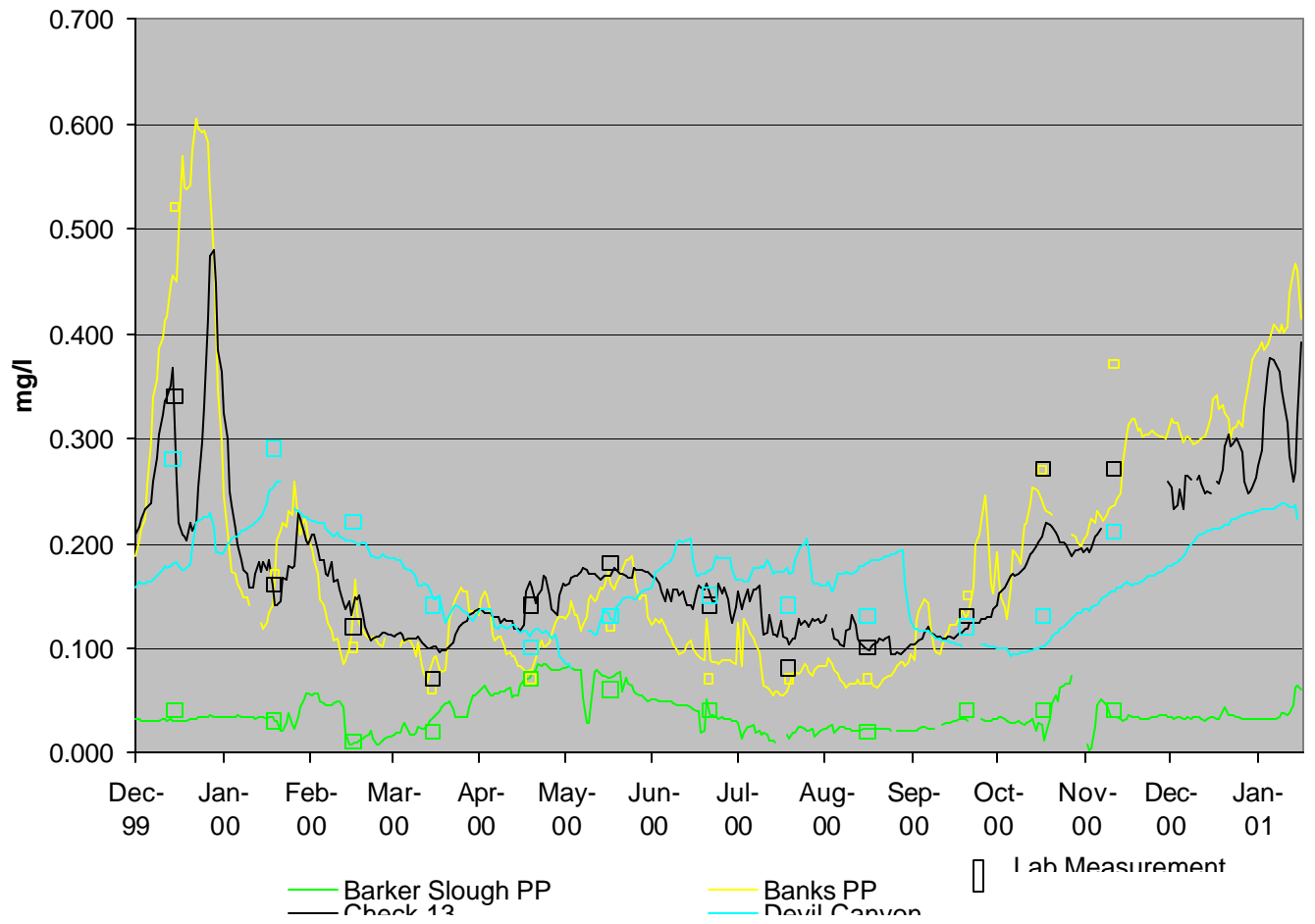
Turbidity



TDS (calculated)



Bromide (calculated)



Daily Average Flow

